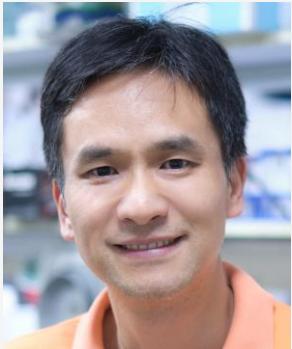


44th CCII Seminar

“Uncovering the Basic Residue-Rich Sequence: from immunoreceptor signaling to immunotherapy”



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The Basic Residue-Rich Sequence (BRS) is a conserved signaling motif widely present in immunoreceptors but remains poorly understood. By forming electrostatic networks with charged lipids and proteins near the membrane, BRS regulates phosphorylation, ubiquitination, condensation, and mechanotransduction. It also coordinates with tyrosine-based motifs to define immunoreceptor function. Evidence from animal and clinical studies shows that harnessing BRS signaling enhances T-cell persistence and sensitivity, unveiling a new avenue for designing next-generation immunotherapies.

Date: November 18, 2025 (Tue) 3:00pm - 4:00pm

Venue: NITORI Hall, Bristol Myers Squibb Building

Admission free | No advance registration required

Organized by Center for Cancer Immunotherapy and Immunobiology (CCII)

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